

Homework 11 ME333 - Winter 2025

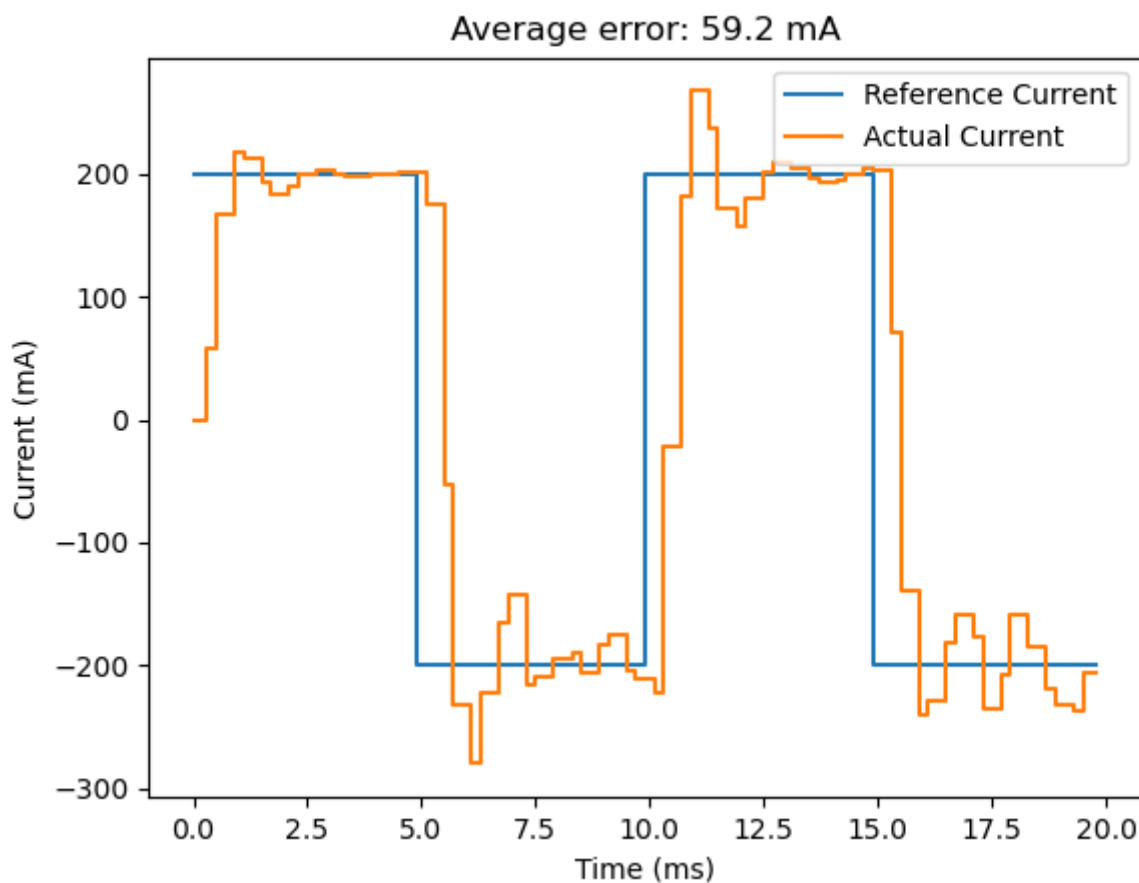
Zhengyang Kris Weng Submission 03/15/2025

Chapter 28

28.4.10 #5 Turn in your best ITEST plot, and indicate the control gains you used, as well as their units.

- Best Kp: 0.1 mA
- Best Ki: 0.04 mA/s

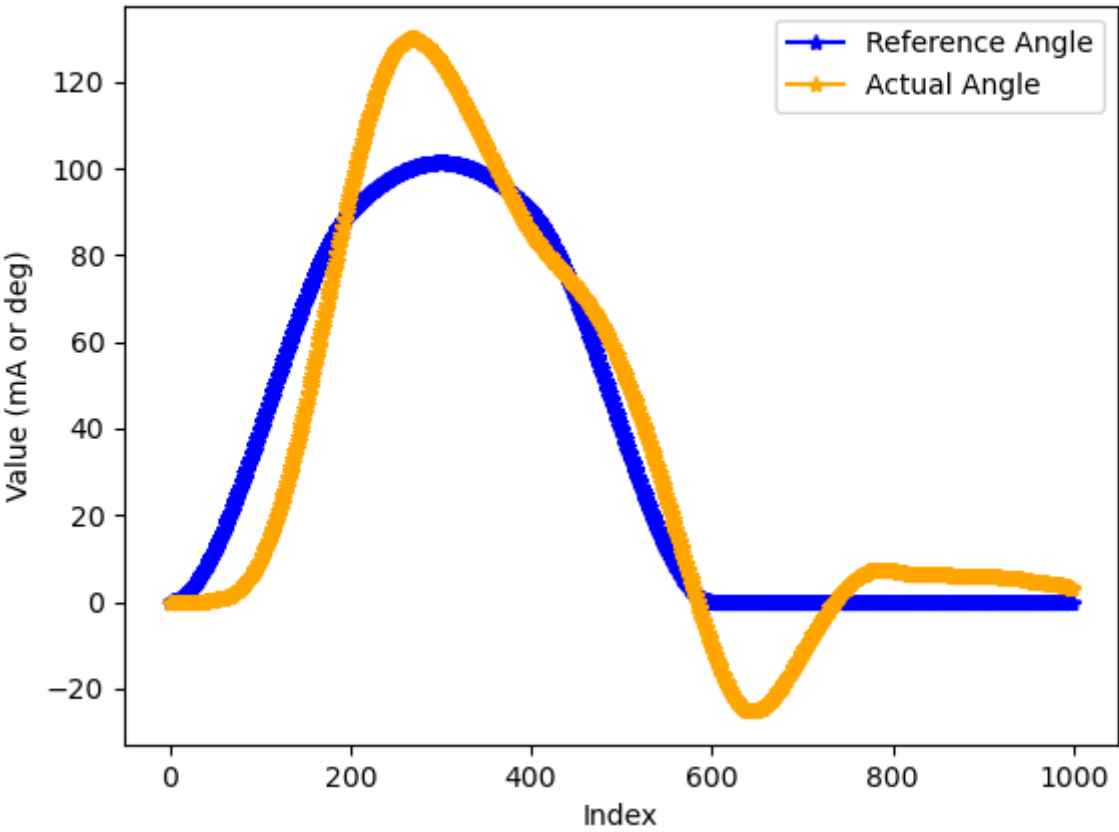
Plot:



28.4.12 #5 Turn in your best plots of following the step and cubic trajectories in Figure 28.5 with the load attached. Indicate the control gains you used, as well as their units

- Best Kp_p: 7.5 mA/deg
- Best Ki_p: 0.05 mA/(deg*s)
- Best Kd_p: 75.0 mA/(deg) * s

Plot - Cubic:



Plot - Step:

